

## CURRICULUM VITAE

**PANGAS Nikolaos**  
**Forester-Environmentalist**  
**Dr on Urban Forest Planning**

### PERSONAL

*Family name* : Pangas  
*First name* : Nikolaos  
*Date of birth* : 18 July 1959  
*Nationality* : Hellenic  
*Marital status* : Married  
*Home Tel.n<sup>o</sup>* : +30 210 6514208  
*E-mail* : [npangas@otenet.gr](mailto:npangas@otenet.gr)

### EDUCATION

- **2006** : Doctorate in spatial planning. National Technical University of Athens (NTUA) / Faculty of Architecture (Dept. of Urban and Regional Planning), Thesis subject : “*Forest dynamics in peri-urban space in relation with urban development*”. Supervisor Prof. L.Wassenhoven.
- **1985** : B.Sc. from Dept. of Geotechnical Sciences / Faculty of Forestry and Natural Environment, Thessalonika Aristotelian University (AUTH).

### COURSES

- **2013** : Certificate on “Managing forest fires to face climate and socioeconomic change” (FUME Project – Course 2 - 38 hrs), Mediterranean Agronomic Institute of Zaragoza (Spain), 20-25 May 2013.
- **2000** : Training workshops on “Sustainability, Development and Spatial Planning” in the frame of the European research project “Sustainability, development and spatial planning: An examination of the capacity of spatial planning systems in Europe to develop and implement policy for sustainability (SPECTRA program)”.
- **1993** : Training program on “Forest Fire Protection” (160 hrs), Hellenic Society of Local Development (EETAA), Greece (Nov. 9 – Dec. 19).
- **1990** : Certificate on “Prevention of Forest Fires in Mediterranean Region” (65 hrs), Mediterranean Agronomic Institute of Chania, Greece (MAICH), (Nov.26-Dec.14).
- **1988** : Certificate on “Environmental Management”, ELKEPA (Hellenic Centre of Productivity) (520 hrs), Greece, (Apr. 18 - Joun 22 and Sep. 5 - Dec. 23).

### LANGUAGE SKILLS

French : “excellent”  
English : “good”  
German : “good”

## EDUCATIONAL ACTIVITIES

- **2008 – today**

Member of the consultant scientific staff (Tutor) at the Hellenic Open University – School of Science and Technology / Postgraduate Program “Environmental Planning of Cities and Buildings” . Supervisor in several MSc degree theses.

- **2004 – 2010**

Invited lecturer in the graduate course “Open and Green Spaces in the City” in the Faculty of Architecture. Subject : “Examples of natural or man-made open spaces reconstructed with natural elements”.

(<http://courses.arch.ntua.gr/113483.html>)

- **2009 – today**

Invited lecturer in the postgraduate course “Urban and spatial planning” in the Faculty of Architecture. Subject : “Urban environmental planning - examples” (resp. prof. K. Serraos).

- **2011 - today**

Invited lecturer in the postgraduate course “Natural Hazards Prevention & Management” of National and Kapodistrian University of Athens. Subject : “Forest fire prevention in Mt.Hymettus Aesthetic Forest” (resp. Prof. Margarita Arianoutsou – Faragitaki).

- **2008 - today**

Invited lecturer in the postgraduate course “Modern Trends in the Teaching of Biology with the Aid of New Technologies” of National and Kapodistrian University of Athens. Subject : “Botanical Gardens”, (resp. Prof. Margarita Arianoutsou – Faragitaki).

[http://uaeco.biol.uoa.gr/files/MDE/pagkas/Botanikoi\\_Kipoi.pdf](http://uaeco.biol.uoa.gr/files/MDE/pagkas/Botanikoi_Kipoi.pdf)

- **1989 – 1996**

Teaching in education courses (collaboration with Municipalities and Private educational organizations) in the following subjects: Rehabilitation of devastated areas (landfills, mines etc.), Forest fire protection, Outdoor Recreation management, Sylvicultural treatments in urban forests, Forest law and policy, Reforestation techniques (226 hours).

## PROFESSIONAL ACTIVITIES

- **1990 – up today**

Forest manager in charge of the Mt Hymettus Aesthetic Forest, (Kessariani, Vyronas and Zografou), Athens, Attica (private forest under the responsibility of the non-profit NGO “Philodassiki Enossi Athinon” (Athens Society of the friends of the trees-[www.philodassiki.org](http://www.philodassiki.org)). Consultant in management plans, fire prevention plan, reforestation and outdoor recreation studies, forest policy and low support and environmental education projects. Supervisor in several forest works (sylvicultural treatments, forest fire prevention works, outdoor recreation and infrastructure constructions etc). Responsible for the safety and health of the staff. Member of the team of the Philodassiki Botanical Garden (responsible for the coordination of the curating team). Representative of the Organization in FEDENATUR ([www.fedenatur.org](http://www.fedenatur.org)).

- **1988 – up today**

Participation in workgroups as individual consultant in Forestry studies, in Planting and Environmental Shaping studies, in EIA and restoration studies, in Special Environmental Projects (EPM) for the public and private sector (about 60 studies). Consultant, mainly, in the following topics: forest management, reforestation, EIA and restoration, forest fire protection, outdoor recreation, urban forestry, forest law and policy, integrated management of protected areas, ecological survey and mapping.

- **1985 – 1989**

Employment (for 24 months) in the Forest Service of Mount Parnes National Park (in Attica region). Botanical collection for the Natural History Museum of the National Park, construction of vegetation map of Mount Parnes, photo-interpretation and topographical surveys.

## **PROFESSIONAL REGISTRATION**

- Member of the Hellenic Geotechnical Chamber (since 1985)
- Member of the Hellenic Association of Foresters (since 1985)
- Member of the Hellenic Forestry Society (since 1992)
- Registration in Ministry of Public Works as individual consultant in Forestry projects and studies (category 24) and Planting and Environmental Shaping studies (category 25) ( GGDE /GEM n<sup>o</sup> 10455 – level C in cat. 24 and level A in cat. 25).

## **RESEARCH ACTIVITIES**

### **Research fields**

Spatial Planning : *Peri-urban space analysis and planning.*

Urban Forestry : *Protection and Management of urban green (mostly urban forests)  
Policy management for providing outdoor recreation services.*

Sustainable development : *Urban forests sustainability indexes.  
Urban development indexes*

Urban Geography : *Spatial Planning in Metropolitan areas.*

### **Participation in international research projects:**

- **October 2010 –October 2012**

Participation as End User (representative of Philodassiki) in “Forest Fires under climate, social and economic changes in Europe, the Mediterranean and other fire-affected areas of the world - Forest fires in the context of climate and social changes (FUME Project) in collaboration with Prof. Margarita Arianoutsou – Faragitaki of National and Kapodistrian University of Athens.

- **January 2006 – March 2008**

“The eco-landscape approach as a means to appoint the urban movements identity: an interdisciplinary contribution in the urban eco-development (GIS application)” (*L’approche “eco-paysasique” revelatrice des identites de deplacement : une contribution interdisciplinaire a l’eco-developpement urbain (application de teledetection et S.I.G.)*) Partners : University of Strasbourg, France (Institut of Geography / Image and City Lab.) and CNRS (France) - resp. Dr Thierry Ramadier and National Technical University of Athens (NTUA) / Faculty of Architecture/ Dept.of Urban and Regional Planning / Research Laboratory for Spatial Planning and Urban Development, resp. Prof L.Wassenhoven – Dr C. Petropoulou.

- **October 2001 –October 2002**

“Peri-urban spatial structures and urban eco-development in Athens” (*Etude des structures spatiales périurbaines d’Athènes et éco- développement urbain*). Partners : University of Strasbourg, France (Institut of Geography/ Image and City Lab.) and CNRS (France) - resp. Dr Christiane Weber and National Technical University of Athens (NTUA) / Faculty of Architecture/ Dept.of Urban and Regional Planning / Research Laboratory for Spatial Planning and Urban Development, resp. Prof L.Wassenhoven.

- **March 1998 – Mai 2000**

“Prescribed burning as a tool for the Mediterranean region: a Management approach” (FIRETORCH project), funded by the EC Environment & Climate Programme. Greek Partner : Agricultural University of Athens, Agro-Meteorology Lab.

### **Participation in national research projects:**

- **December 2007 – April 2008**

«Rehabilitation of natural and residential environment and rural space in wildfire damaged villages in western Peloponnese» in the frame of interdisciplinary graduate course “Urban and rural planning” in the Faculty of Architecture (resp. Prof. E.Portaliou).

- **February – Mai 2008**

“Revision and integration of the project : “Elliniko Airport development”, Organization of the Master Plan and Environmental Protection of Athens (ORSA) / National Technical University of Athens (NTUA) / Faculty of Architecture/ Dept.of Urban and Regional Planning / Research Laboratory for Spatial Planning and Urban Development, resp. Prof. S.Avgerinou and Prof L.Wassenhoven.

- **September 2007 – February 2008.**

“Axes for spatial planning and residential reconstruction in wildfire damaged areas. Case study in four municipalities in western Peloponnese”, National Technical University of Athens (NTUA) / Faculty of Architecture/ Dept.of Urban and Regional Planning.

- **December 2003 – January 2005**

“Possibilities for urban renovation and environmental rehabilitation of the central part of the Agrinio town (western Greece)” National Technical University of Athens (NTUA) / Faculty of Architecture/ Dept.of Urban and Regional Planning (resp. Prof P.Kosmaki).

- **January 2003 - February 2005**

“An approach in peri-urban space as a planning unit under the concept of landscape ecology (THALES no 5935)”, National Technical University of Athens (NTUA) / Faculty of Architecture/ Dept.of Urban and Regional Planning / Research Laboratory for Spatial Planning and Urban Development, resp. Prof L.Wassenhoven.

- **2000 – 2002**

“Environmental Indicators of the Greek Cities”. Ministry of the Environment, Research Laboratory for Spatial Planning and Urban Development, National Technical University of Athens (NTUA).

- **April 1995 – Mai 1996**

“Elliniko Airport development – phase 1”. Organization of the Master Plan and Environmental Protection of Athens (ORSA) / Research Laboratory for Spatial Planning and Urban Development, National Technical University of Athens (NTUA).

- **November 1992 – Mai 1995**

“Wildland fire risk assessment and land use planning for fire prevention and preparedness”. General Secretariat of Research / Research Laboratory for Spatial Planning and Urban Development, National Technical University of Athens (NTUA)

- **September- December 1991**

“Microclimatic research for the inflammability of forest formations in Mt Parnes, Attica”, General Secretariat of Research / Agricultural University of Athens / Laboratory of Physics and Meteorology, resp. Prof A.Chronopoulou.

- **April 1989**

“The landscape of Attica region and the environment (plant formations and biotopes)”, National Technical University of Athens (NTUA) (nr 61/138), resp. Prof C.Cassios.

## **PUBLICATIONS**

- Gouma V., Trigas P. **Pangas N.** and Daskalakou E. N., 2012. “Monitoring the microclimatic environment and the *ex situ* conservation of threatened plants at the Philodassiki Botanical Garden, Mount Hymettus Aesthetic Forest, Athens, Greece”, Proceedings of Sixth European Botanic Gardens Congress, EUROGARD VI, May 28 – June 02, Chios Island, Greece (*in press*).
- Trigas, P., Tsiftsis, S., **Pangas, N.** and Pilavachi, S. 2012. “*Ex situ* conservation needs for the endemic vascular plants of Greece and the role of the Philodassiki Botanical Garden: the case of the Peloponnese”. Book of Abstracts of Sixth European Botanic Gardens Congress, EUROGARD VI, May 28 – June 02, Chios Island, Greece
- **Pangas, N.**, 2011. “The green of the city as living element of urban landscape”. Contribution in “Urban eco-landscapes and everyday mobility”, Part II: *Ecological approaches of urban landscape*, pp 59-68, Athens, (*in press*).
- Petropoulou C., **Pangas, N.**, 2007. «Spatial planning approach of the peri-urban space based on the landscape-ecological perception : an urban and peri-urban eco-landscapes typology for the great Greek cities”. *GEOGRAPHIES (ΓΕΩΓΡΑΦΙΕΣ)* Scientific Magazine , Vol. 12, p.p. 69-83 (*in greek*).

- Wassenhoven, L, Sapountzaki, K., **Pangas, N.** : “Forest land, agricultural land and touristic development in Aegean sea Islands. An attempt for smooth out the disturbed relations. 13th Conference “Forests, Planning and Tourism”of the Panhellenic Network of Ecological Organisations, Rhodes Island, 19-22 October 2001(*in greek*).
- Leone V., Signorile A., Gouma V., **Pangas N.**, Chronopoulou-Sereli A.: “Obstacles in Prescribed Fire Use In Mediterranean Countries : Early Remarks and Results of the FIRETORCH Project”, International Symposium “Forest Fires needs and Innovations (DELFI)”, November 1999, Athens
- **Pangas, N.** : “Forest characteristics in peri-urban space in Greece”. International Conference in Sustainable Development and Spatial Planning in the European Territory, National Technical University of Athens (NTUA), May 1999, Athens.
- Sapountzaki, K., **Pangas, N.** : “Forest land protection problems in relation to the insufficiency of the institutions for the forest policy and the spatial planning”, TOPOS magazine / Urban and rural studies review, Vol. 12/1997, pp 141-164. (*in greek*).
- Wassenhoven, L., Sapountzaki, K., **Pangas, N.**, Gouma, V., Gianiris, I., Deladetsimas, P.: “Wildland fire risk assessment and land use planning for the fire prevention and preparedness”. Final report of the homonymous National research project, 1995, 131 p. (*in greek*).
- Sapountzaki, K., **Pangas, N.**, Gouma, V. : “Forest land ownership and land use dynamics. Multidisciplinary solutions in interrelated problems for forest fires protection”. Hellenic Forestry Society Conference : “Forest development, Ownership and land use planning”, Apr. 6-8, 1995, Chania, Greece (*in greek*).
- **Pangas, N.**: “The Management of the Kessariani Aesthetic Forest”. Hellenic Chamber of Greece Conference: ”Natural Protected Areas – 30 years of Samaria National Park”, May 1992, Chania, Greece (*in greek*).

## **OTHER SKILLS**

Use of computer software programs

(MS Office, drawing (AutoCAD Map) and GIS (ArcView) packages.

January 2014

Nikos Pangas